

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 00/23320

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C11D3/39 C11D11/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C11D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 13352 A (UNILEVER NV) 18 May 1995 (1995-05-18) cited in the application the whole document	1-25
X	WO 95 13353 A (UNILEVER NV) 18 May 1995 (1995-05-18) cited in the application the whole document	1-25
X	WO 95 13351 A (UNILEVER NV) 18 May 1995 (1995-05-18) cited in the application the whole document	1-25
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *G* document member of the same patent family		
Date of the actual completion of the international search 2 January 2001		Date of mailing of the international search report -01- 2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Neys, P

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/23320

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

Continuation of Box I.2

Present claims 1, 16, 20 and 25 define a bleach system comprising a cationic organic catalyst represented by the formulas 'I' and 'III'. Thus, these claims all relate to a extremely large number of compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds

- represented by the formulas 'XI' and 'XIII' as mentioned in claim 10 and in the description at page 6-9.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/23320

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9513352 A	18-05-1995	US 5360568 A	01-11-1994
		US 5482515 A	09-01-1996
		AU 8060994 A	29-05-1995
		BR 9408038 A	24-12-1996
		DE 69405407 D	09-10-1997
		DE 69405407 T	08-01-1998
		EP 0728182 A	28-08-1996
		ES 2107865 T	01-12-1997
		JP 9505090 T	20-05-1997
		US 5550256 A	27-08-1996
		ZA 9408978 A	13-05-1996
WO 9513353 A	18-05-1995	US 5360569 A	01-11-1994
		US 5478357 A	26-12-1995
		AU 8106694 A	29-05-1995
		BR 9408039 A	24-12-1996
		DE 69409252 D	30-04-1998
		DE 69409252 T	16-07-1998
		EP 0728183 A	28-08-1996
		ES 2114293 T	16-05-1998
		JP 9505091 T	20-05-1997
		ZA 9408979 A	13-05-1996
WO 9513351 A	18-05-1995	US 5370826 A	06-12-1994
		AU 699018 B	19-11-1998
		AU 8060894 A	29-05-1995
		BR 9408037 A	24-12-1996
		CA 2176226 A	18-05-1995
		DE 69417435 D	29-04-1999
		DE 69417435 T	08-07-1999
		EP 0728181 A	28-08-1996
		ES 2129143 T	01-06-1999
		JP 9505333 T	27-05-1997
		US 5442066 A	15-08-1995
		ZA 9408976 A	13-05-1996